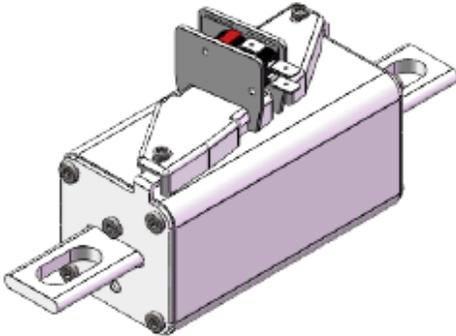




ASE 2# ESS FUSES



FEATURES

- Rated Voltage: 1500 Vdc
- Amperage Rating: 100A-450A
- Breaking Capacity: 250kA
- Time Constant: 10-15ms
- Class Type: aR
- Strong current limiting capacity
- ASE series PN in this datasheet is without microswitch.
- Optional microswitch available PN: MS0003

DESCRIPTION

Adler ASE 2# ESS series power fuses are specially engineered and tested to provide excellent protection performance in Industrial ESS and Power Distribution Protection. With currents from 100A to 450A with a breaking capacity of 250kA.

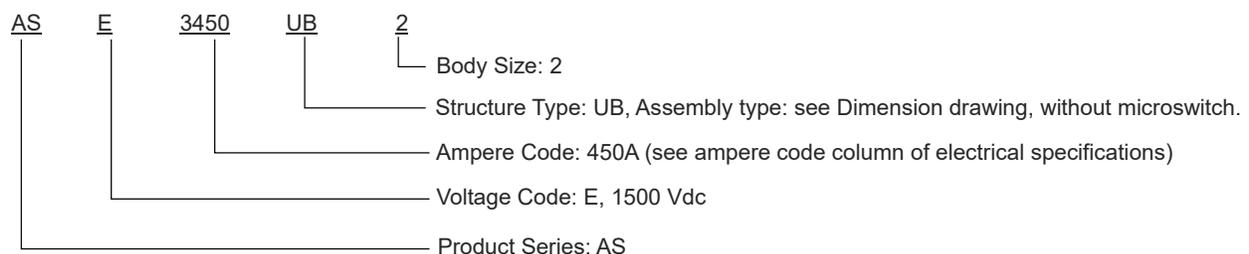
AGENCY INFORMATION

- Ref. to IEC 60269-1 / IEC 60269-4 / IEC 60269-7
- Approval: UL & TUV (in progress)
- IATF 16949 quality system
- RoHS and REACH Compliant

APPLICATIONS

Industrial ESS and BESS protection
Power Distribution Protection

PART NUMBERING SYSTEM



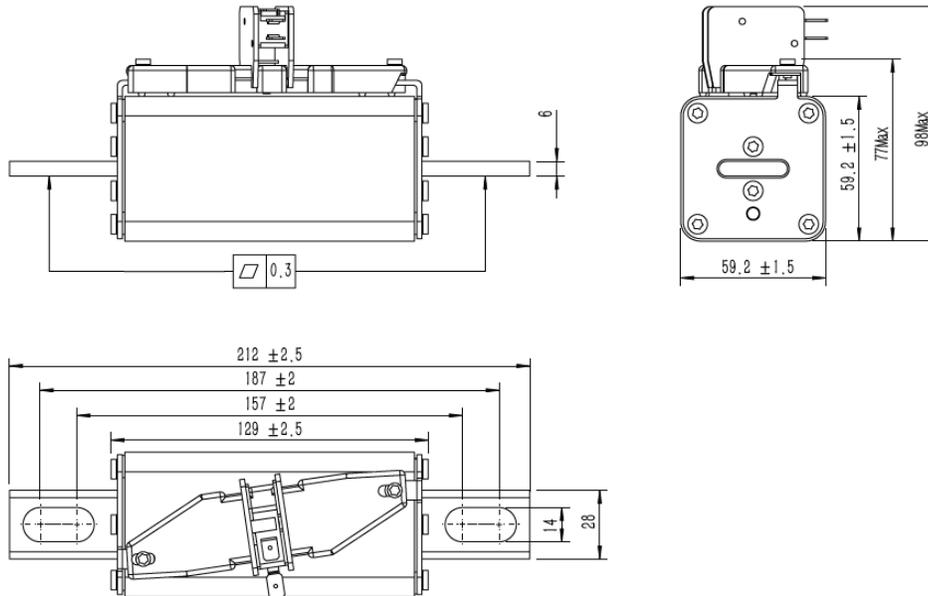


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ESS FUSE LINKS

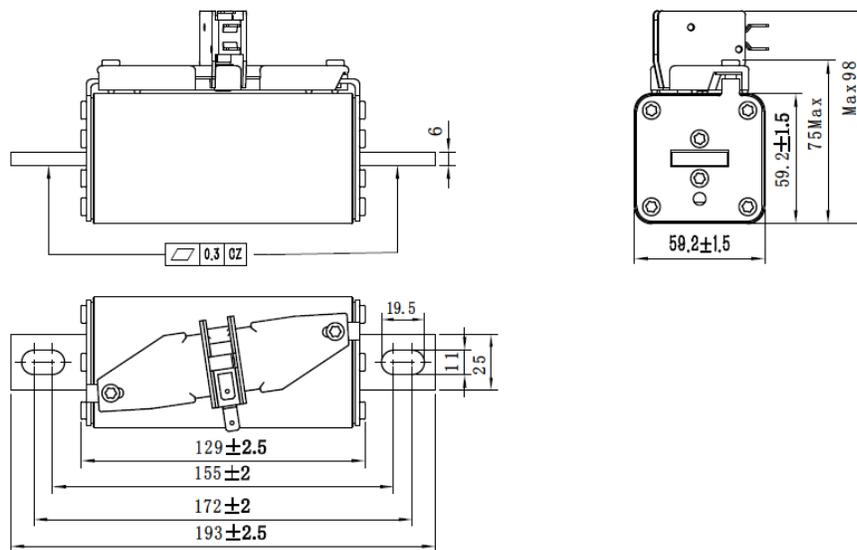
DIMENSIONS (mm):

ASE3450UB2:



Box specifications (mm)	Packing quantity / per container	Weight / PCS (g) without microswitch	Recommended Screw	Recommended tightening torque (N·m)
395×265×230	8pcs	1337±3%	M12	38±1

ASE3450UC2:



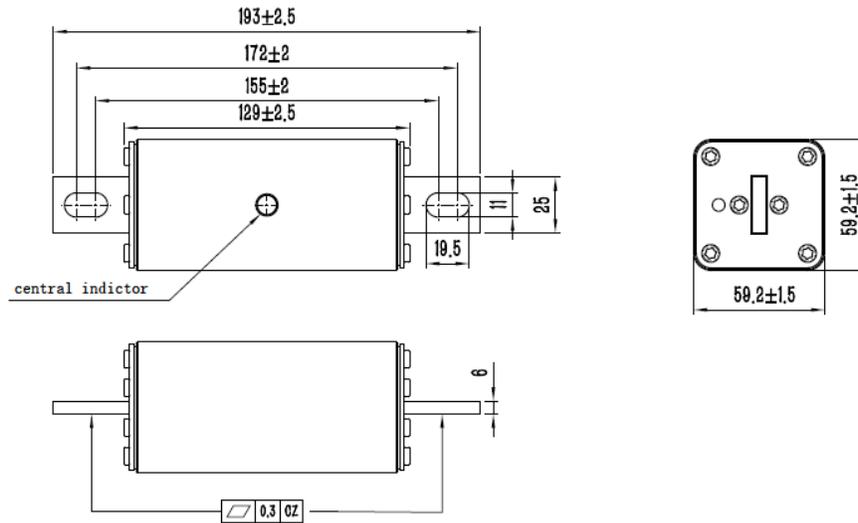
Box specifications (mm)	Packing quantity / per container	Weight / PCS (g) without microswitch	Recommended Screw	Recommended tightening torque (N·m)
395×265×230	8pcs	1330±3%	M10	20±1



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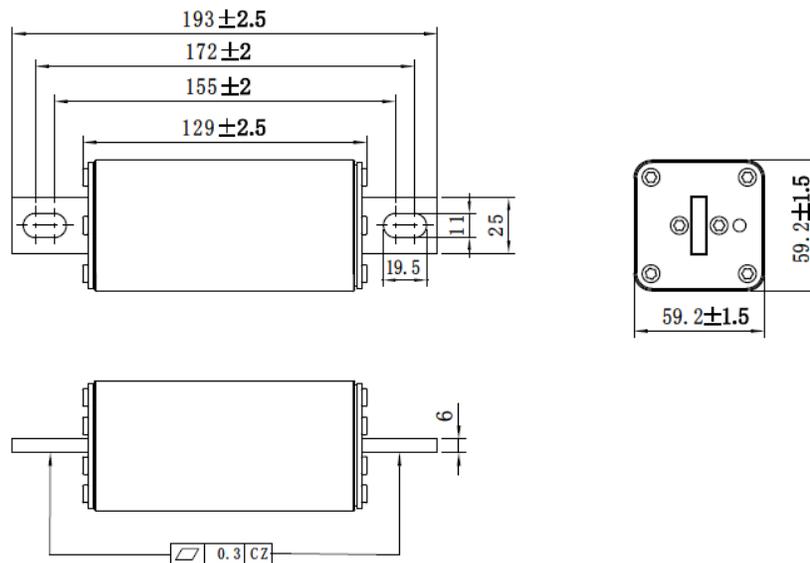
ESS FUSE LINKS

ASE3450UD2:



Box specifications (mm)	Packing quantity / per container	Weight / PCS (g) without microswitch	Recommended Screw	Recommended tightening torque (N·m)
395×265×230	8pcs	1330±3%	M10	20±1

ASE3450UE2:



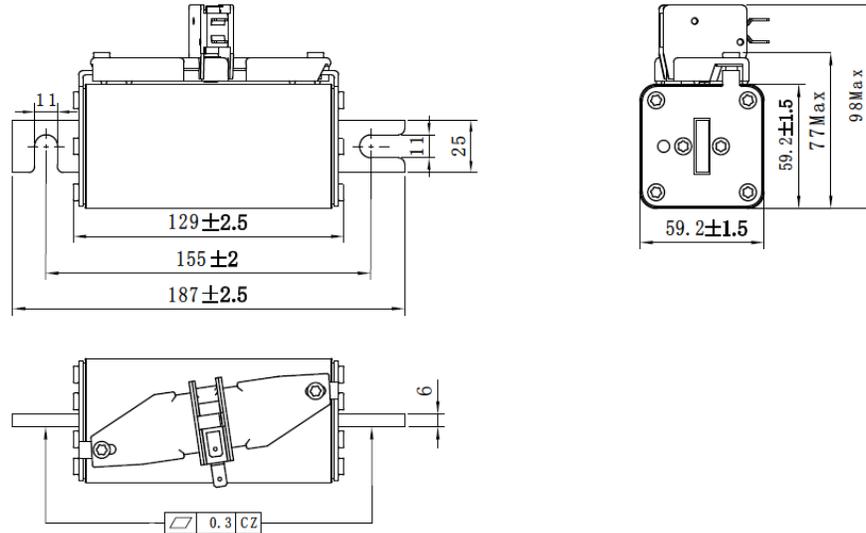
Box specifications (mm)	Packing quantity / per container	Weight / PCS (g) without microswitch	Recommended Screw	Recommended tightening torque (N·m)
395×265×230	8pcs	1330±3%	M10	20±1



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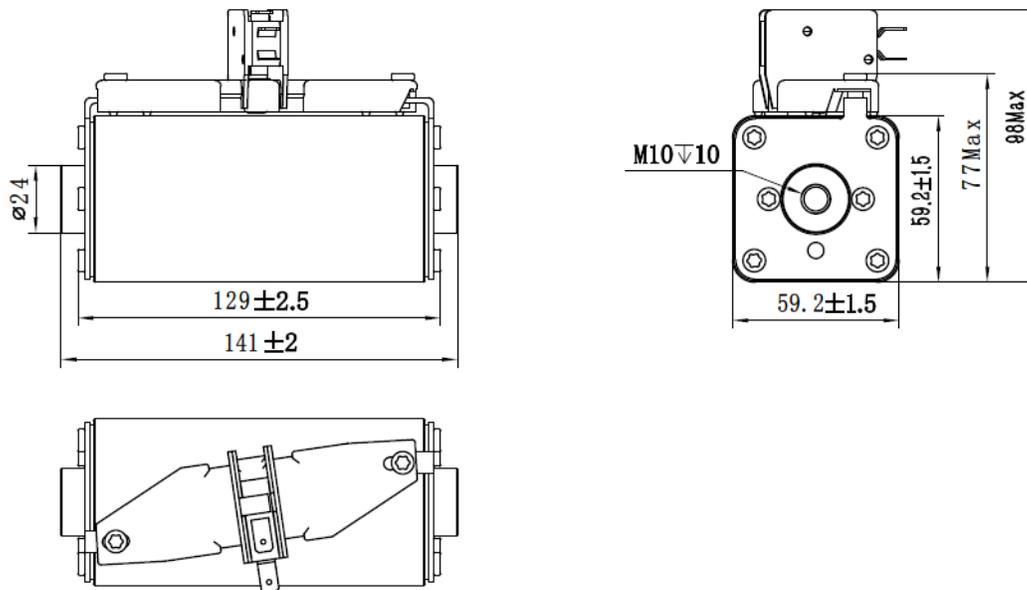
ESS FUSE LINKS

ASE3450DB2:



Box specifications (mm)	Packing quantity / per container	Weight / PCS (g) without microswitch	Recommended Screw	Recommended tightening torque (N·m)
395×265×230	8pcs	1330±3%	M10	20±1

ASE3450FL2:



Box specifications (mm)	Packing quantity / per container	Weight / PCS (g) without microswitch	Recommended Screw	Recommended tightening torque (N·m)
395×265×230	8pcs	1330±3%	M10	20±1


ELECTRICAL SPECIFICATIONS

Size	Item No.	Part Number						Ampere Code	Rated Current / A	Rated Voltage / Vdc	Breaking Capacity	I ² t (A ² s)		Power Loss / W 100% Rated
		Bolted			Din	Flush	Pre-Arcing					Total		
ESS 2#	1	ASE3100UB2	ASE3100UC2	ASE3100UD2	ASE3100UE2	ASE3100DB2	ASE3100FL2	3100	100	1500	250kA	890	3520	48
	2	ASE3125UB2	ASE3125UC2	ASE3125UD2	ASE3125UE2	ASE3125DB2	ASE3125FL2	3125	125	1500	250kA	2800	7800	56
	3	ASE3160UB2	ASE3160UC2	ASE3160UD2	ASE3160UE2	ASE3160DB2	ASE3160FL2	3160	160	1500	250kA	4800	16500	71
	4	ASE3200UB2	ASE3200UC2	ASE3200UD2	ASE3200UE2	ASE3200DB2	ASE3200FL2	3200	200	1500	250kA	9800	28700	84
	5	ASE3250UB2	ASE3250UC2	ASE3250UD2	ASE3250UE2	ASE3250DB2	ASE3250FL2	3250	250	1500	250kA	17800	55700	91
	6	ASE3280UB2	ASE3280UC2	ASE3280UD2	ASE3280UE2	ASE3280DB2	ASE3280FL2	3280	280	1500	250kA	25800	83700	99
	7	ASE3315UB2	ASE3315UC2	ASE3315UD2	ASE3315UE2	ASE3315DB2	ASE3315FL2	3315	315	1500	250kA	36800	108000	108
	8	ASE3350UB2	ASE3350UC2	ASE3350UD2	ASE3350UE2	ASE3350DB2	ASE3350FL2	3350	350	1500	250kA	49900	140500	115
	9	ASE3400UB2	ASE3400UC2	ASE3400UD2	ASE3400UE2	ASE3400DB2	ASE3400FL2	3400	400	1500	250kA	77900	230500	126
	10	ASE3420UB2	ASE3420UC2	ASE3420UD2	ASE3420UE2	ASE3420DB2	ASE3420FL2	3420	420	1500	250kA	91000	285700	130
	11	ASE3450UB2	ASE3450UC2	ASE3450UD2	ASE3450UE2	ASE3450DB2	ASE3450FL2	3450	450	1500	250kA	110100	332000	135

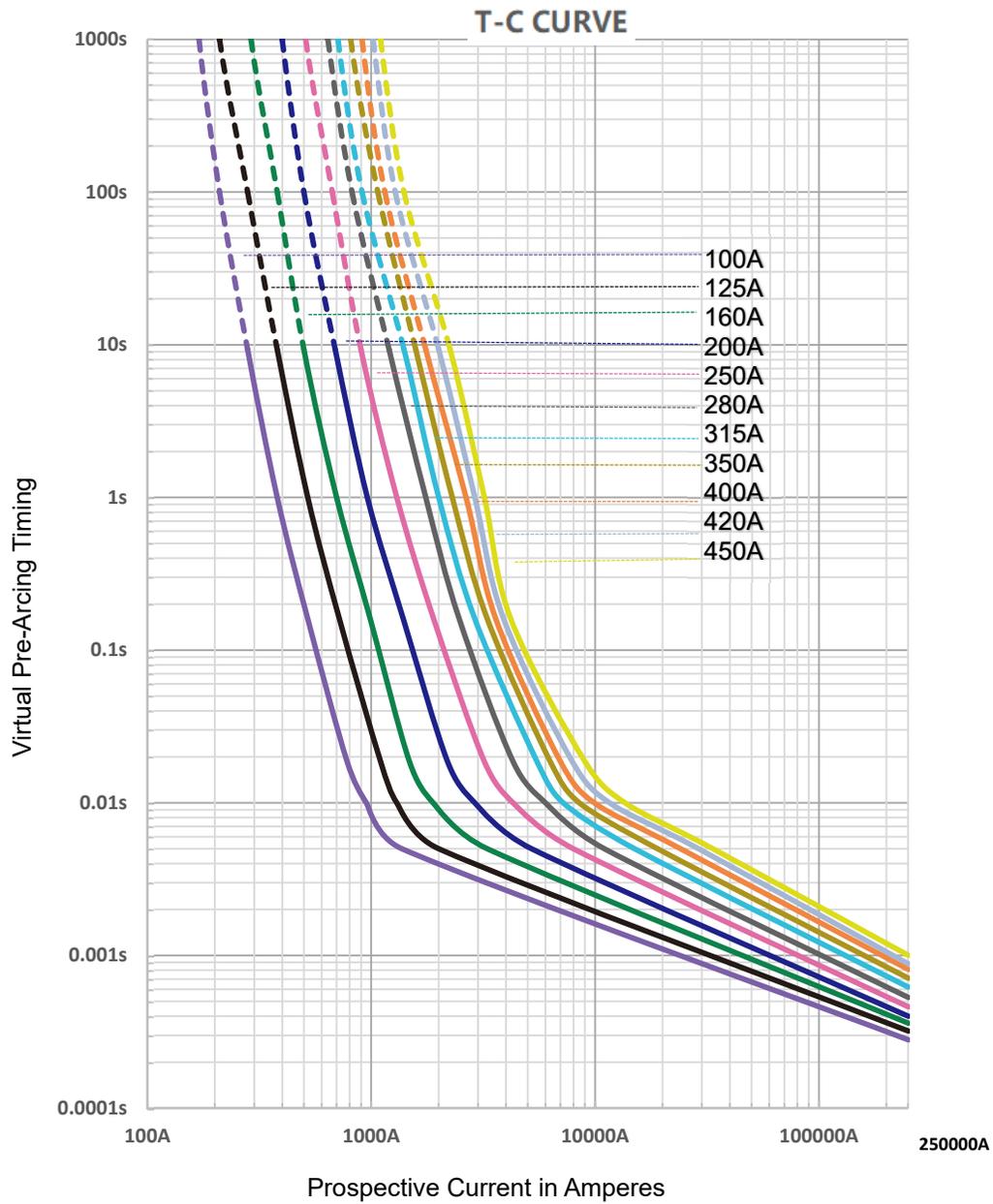
OPERATION CONDITIONS:

Where the following conditions apply, fuses complying with this standard are deemed capable of operating satisfactorily without further qualification.

- ✧ Normal temperature: -5°C - 40°C, permissible operating temperature: -40°C-120°C.
- ✧ The altitude of the site of installation of the fuses does not exceed 2000m above sea level and permissible altitude site of installation does not exceed 5000m.
- ✧ The air should be clean, and its relative humidity does not exceed 50% at the maximum temperature of 40°C.
- ✧ Higher relative humidity is permitted at lower temperatures, e.g., 90% at 20°C.
- ✧ Under these conditions, moderate condensation may occasionally occur due to variation in temperatures.
- ✧ For operating conditions other than that above, please contact manufacturer.

STORAGE:

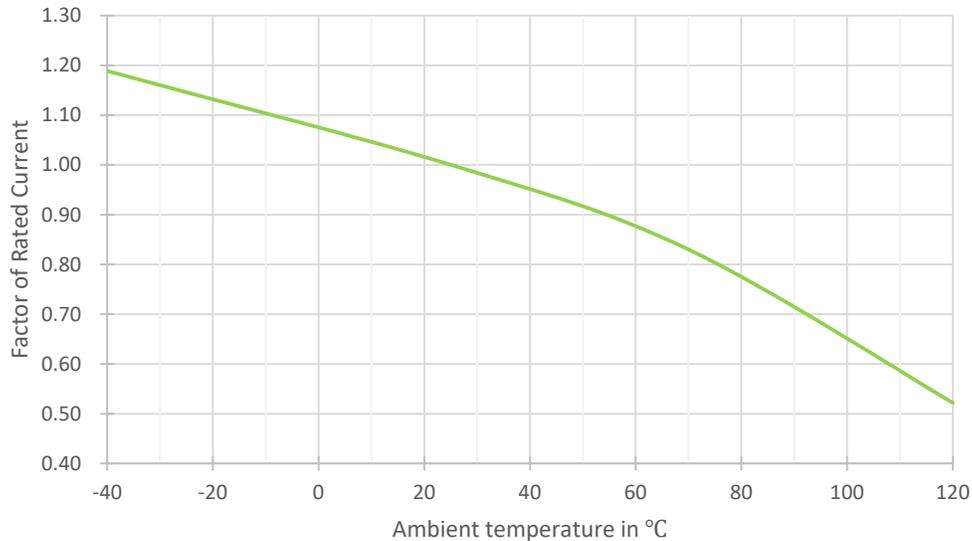
During transportation and storage, avoid water seepage and mechanical damage.





Temperature Correction Curve

When the fuse is operating below -5°C or above 40°C , the rated current needs additional modification. The correction factor is K_t .



WEB RESOURCES

Download the latest technical documents: www.adlerelectric.com. Specifications are subject to change without notice





ASE 2# ESS FUSES



DESCRIPTION

Adler ASE 2# ESS series power fuses are specially engineered and tested to provide excellent protection performance in Industrial ESS and Power Distribution Protection. With currents from 100A to 450A with a breaking capacity of 250kA.

FEATURES

- Rated Voltage: 1500 Vdc
- Amperage Rating: 100A-450A
- Breaking Capacity: 250kA
- Time Constant: 10-15ms
- Class Type: aR (IEC60269-4), aBat (IEC60269-7)
- Strong current limiting capacity
- ASE series PN in this datasheet is without microswitch
- Optional microswitch available PN: MS0003

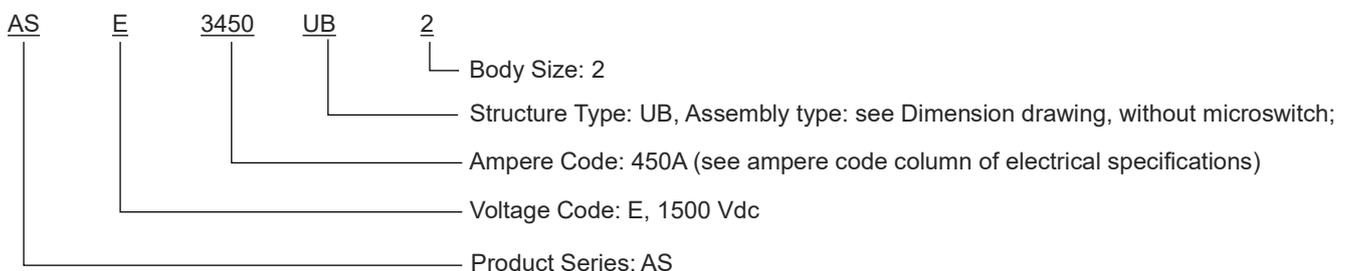
AGENCY INFORMATION

- Comply to IEC 60269-4/IEC 60269-7/UL248-13
- Approval: UL/ TUV/CCC
- IATF 16949 quality system
- RoHS and REACH Compliant

APPLICATIONS

- Industrial ESS and BESS protection
- Power Distribution Protection

PART NUMBERING SYSTEM



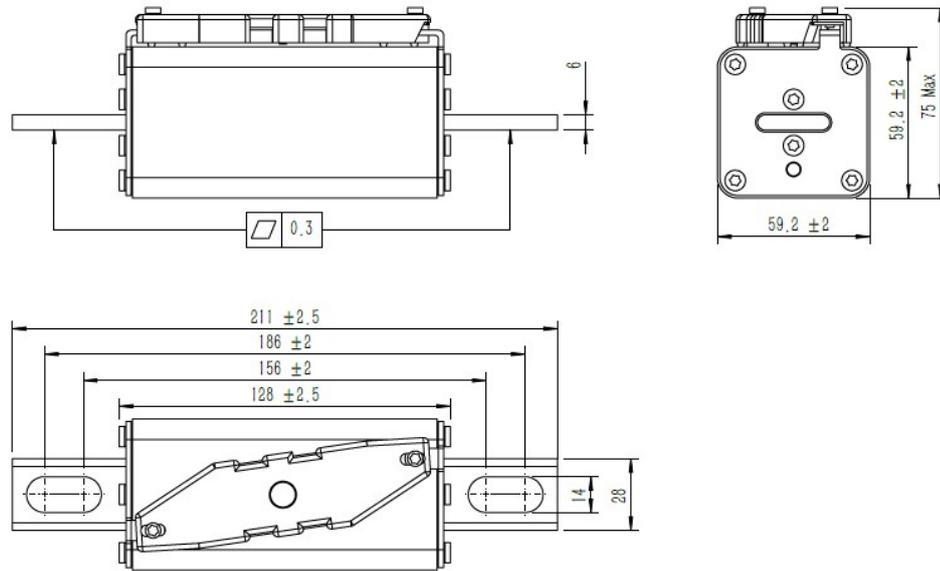
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ESS FUSE LINKS



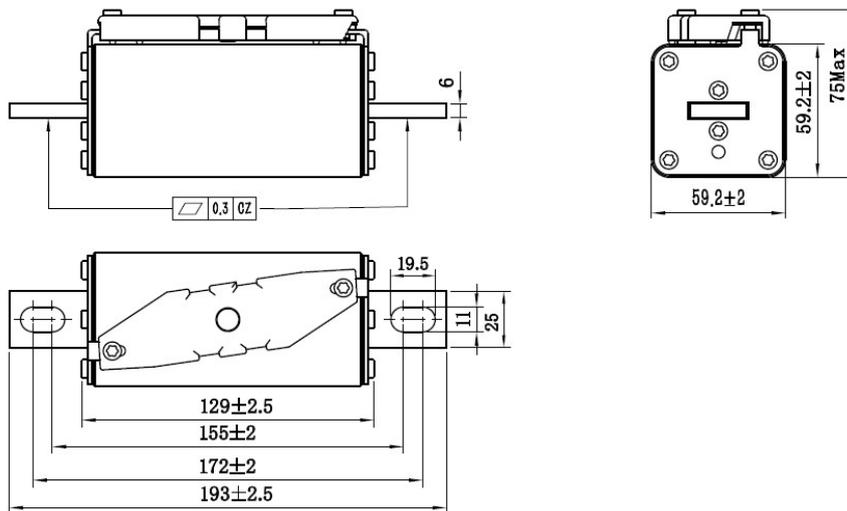
DIMENSIONS (mm):

ASE3450UB2:



Box specifications (mm)	Packing quantity / per container	Weight / PCS (g) without microswitch	Recommended Screw	Recommended tightening torque (N·m)
395×265×230	8pcs	1337±3%	M12	38±1

ASE3450UC2:



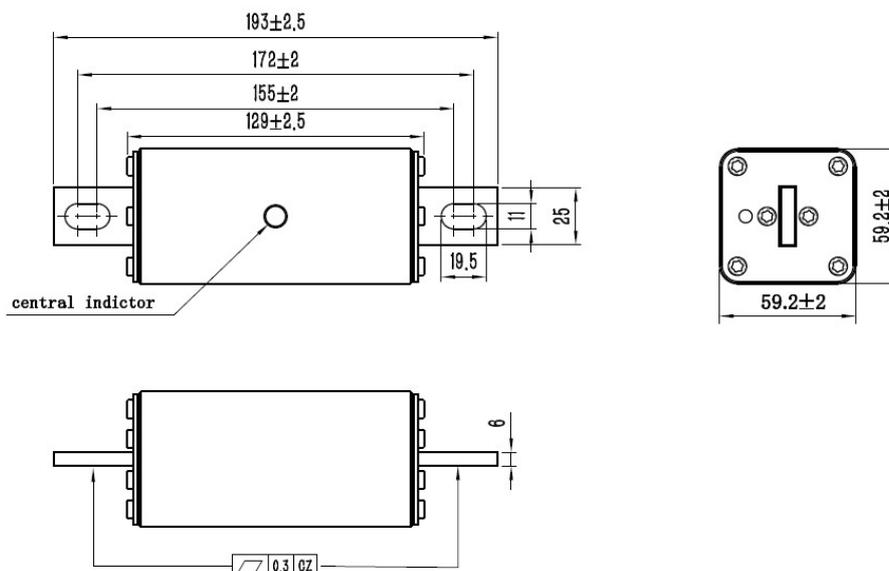
Box specifications (mm)	Packing quantity / per container	Weight / PCS (g) without microswitch	Recommended Screw	Recommended tightening torque (N·m)
395×265×230	8pcs	1330±3%	M10	20±1



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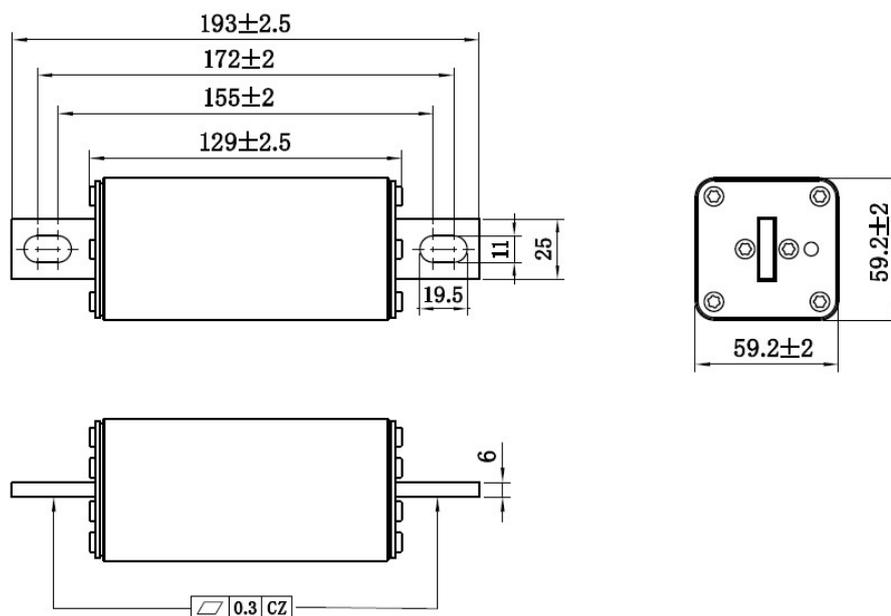
ESS FUSE LINKS

ASE3450UD2:



Box specifications (mm)	Packing quantity / per container	Weight / PCS (g) without microswitch	Recommended Screw	Recommended tightening torque (N·m)
395×265×230	8pcs	1330±3%	M10	20±1

ASE3450UE2:



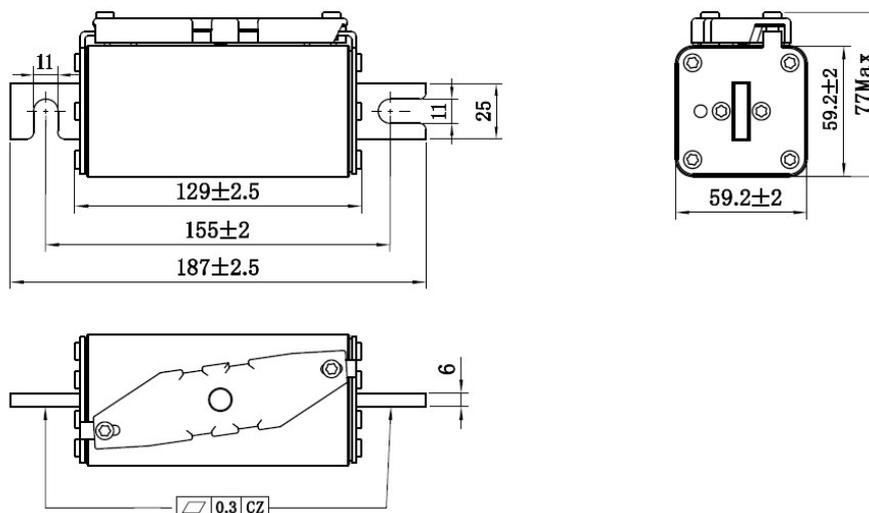
Box specifications (mm)	Packing quantity / per container	Weight / PCS (g) without microswitch	Recommended Screw	Recommended tightening torque (N·m)
395×265×230	8pcs	1330±3%	M10	20±1





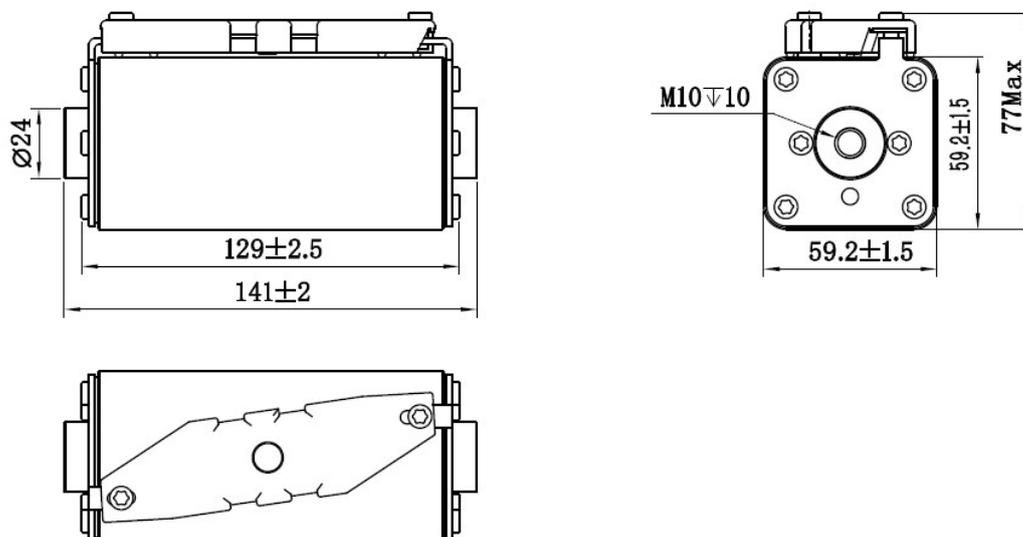
PU ESS FUSE LINKS

ASE3450DB2:



Box specifications (mm)	Packing quantity / per container	Weight / PCS (g) without microswitch	Recommended Screw	Recommended tightening torque (N·m)
395×265×230	8pcs	1330±3%	M10	20±1

ASE3450FL2:



Box specifications (mm)	Packing quantity / per container	Weight / PCS (g) without microswitch	Recommended Screw	Recommended tightening torque (N·m)
395×265×230	8pcs	1330±3%	M10	20±1



PU

ESS FUSE LINKS

ELECTRICAL SPECIFICATIONS

Size	Item No.	Part Number						Ampere Code	Rated Current / A	Rated Voltage / Vdc	Breaking Capacity	I ² t (A ² s)		Power Loss / W 100% Rated
		Bolted			Din	Flush	Pre-Arcing					Total		
ESS #	1	ASE3100UB2	ASE3100UC2	ASE3100UD2	ASE3100UE2	ASE3100DB2	ASE3100FL2	3100	100	1500	250kA	890	3520	48
	2	ASE3125UB2	ASE3125UC2	ASE3125UD2	ASE3125UE2	ASE3125DB2	ASE3125FL2	3125	125	1500	250kA	2800	7800	56
	3	ASE3160UB2	ASE3160UC2	ASE3160UD2	ASE3160UE2	ASE3160DB2	ASE3160FL2	3160	160	1500	250kA	4800	16500	62
	4	ASE3200UB2	ASE3200UC2	ASE3200UD2	ASE3200UE2	ASE3200DB2	ASE3200FL2	3200	200	1500	250kA	9800	28700	71
	5	ASE3250UB2	ASE3250UC2	ASE3250UD2	ASE3250UE2	ASE3250DB2	ASE3250FL2	3250	250	1500	250kA	17800	55700	91
	6	ASE3280UB2	ASE3280UC2	ASE3280UD2	ASE3280UE2	ASE3280DB2	ASE3280FL2	3280	280	1500	250kA	25800	83700	99
	7	ASE3315UB2	ASE3315UC2	ASE3315UD2	ASE3315UE2	ASE3315DB2	ASE3315FL2	3315	315	1500	250kA	36800	108000	110
	8	ASE3350UB2	ASE3350UC2	ASE3350UD2	ASE3350UE2	ASE3350DB2	ASE3350FL2	3350	350	1500	250kA	49900	140500	115
	9	ASE3400UB2	ASE3400UC2	ASE3400UD2	ASE3400UE2	ASE3400DB2	ASE3400FL2	3400	400	1500	250kA	77900	230500	126
	10	ASE3420UB2	ASE3420UC2	ASE3420UD2	ASE3420UE2	ASE3420DB2	ASE3420FL2	3420	420	1500	250kA	91000	285700	130
	11	ASE3450UB2	ASE3450UC2	ASE3450UD2	ASE3450UE2	ASE3450DB2	ASE3450FL2	3450	450	1500	250kA	110100	332000	135

TUV File: 50612686 (IEC60269-4) / 50612727 (IEC60269-7)

UL File: E485737

CCC File: 2023000308000121

OPERATION CONDITIONS:

Where the following conditions apply, fuses complying with this standard are deemed capable of operating satisfactorily without further qualification.

- Normal temperature: -5°C - 40°C, permissible operating temperature: -40°C-120°C.
- The altitude of the site of installation of the fuses does not exceed 2000m above sea level and permissible altitude site of installation does not exceed 5000m.
- The air should be clean and its relative humidity does not exceed 50% at the maximum temperature of 40°C.
- Higher relative humidity is permitted at lower temperatures, e.g., 90% at 20°C.
- Pollution grade III
- Under these conditions, moderate condensation may occasionally occur due to variation in temperatures.
- For operating conditions other than above, please contact manufacturer.

STORAGE:

During transportation and storage, avoid water seepage and mechanical damage.

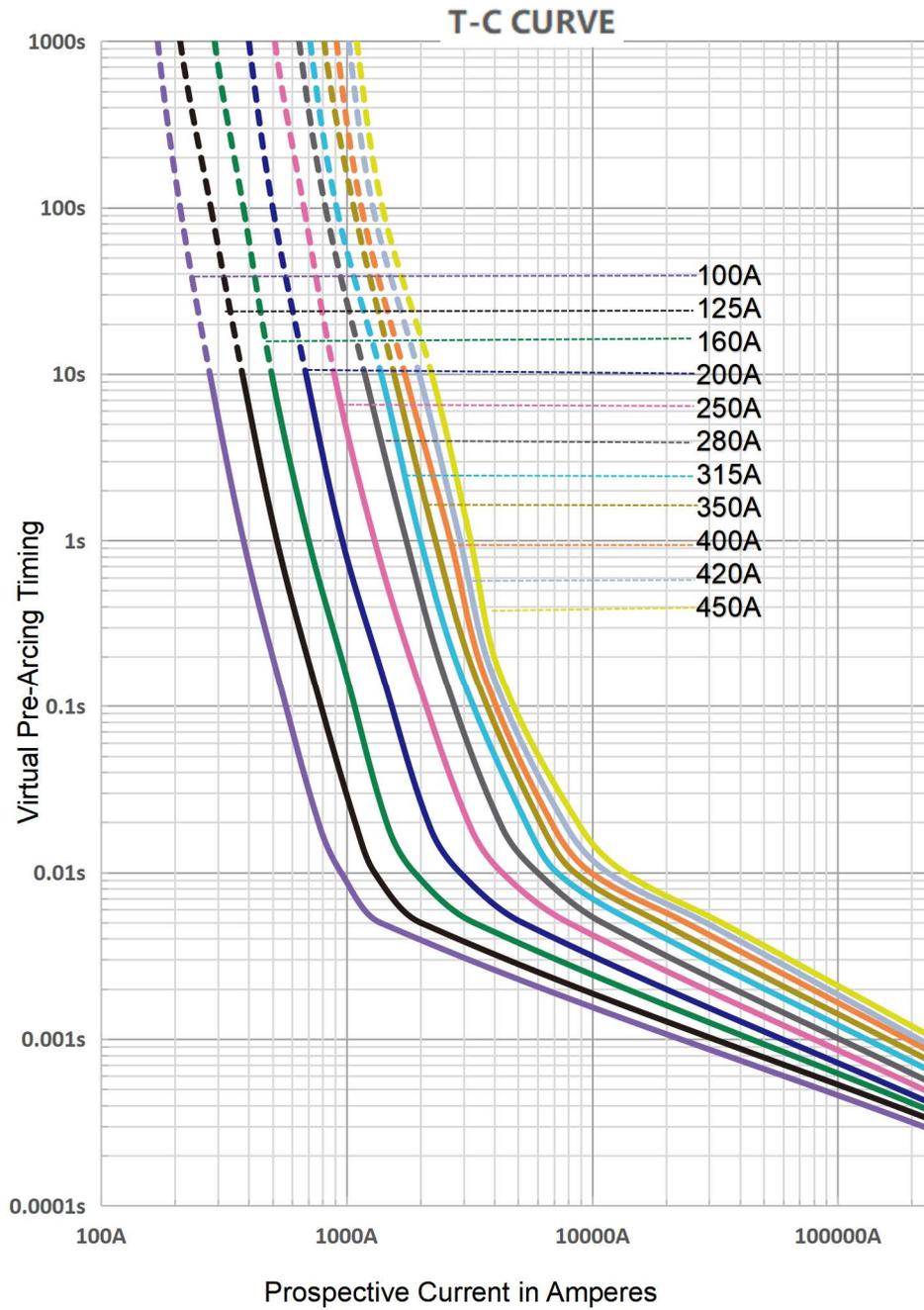


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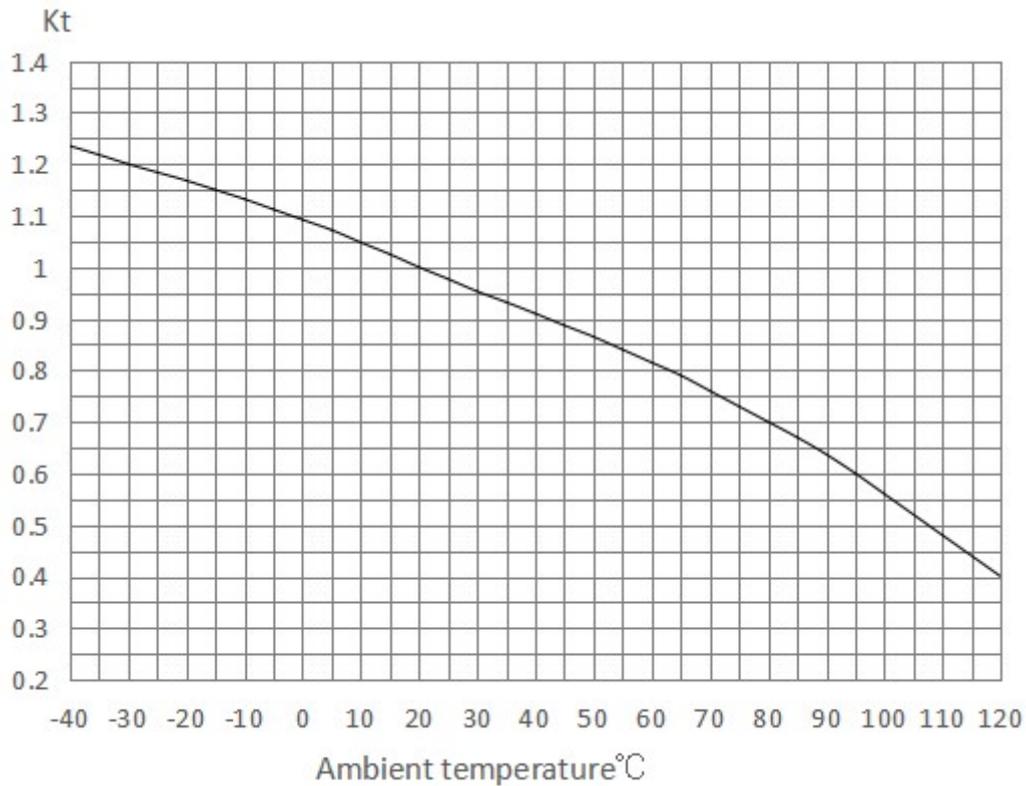
TIME CURRENT CURVE





Temperature Correction Curve

When the fuse is operating below -5°C or above 40°C , the rated current needs additional modification. The correction factor is K_t .



WEB RESOURCES

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